

Claims

1. A method of protecting equipment intended to operate at high temperature in the presence of a fluid 5 containing at least one hydrocarbon and/or carbon monoxide against corrosion by metal dusting in which pieces of the equipment are made from an alloy containing nickel, iron, chromium and/or aluminum, and in which said pieces of the equipment are protected 10 from said corrosion by a protective coating, characterized in that:

- said equipment pieces protected in this way are connected to each other by means of joining pieces, said joining pieces being protected 15 beforehand by a protective coating over at least part of their surface intended to be brought into contact with said fluid at high temperature,
- each of the connections intended to be 20 subjected to said corrosion is produced by external welding of the ends of the joining piece with said pieces of equipment.

2. A method according to claim 1 characterized in 25 that the joining pieces have been protected beforehand by aluminization.

3. A plant for generating synthesis gas from a hydrocarbon mixture, characterized in that it comprises 30 equipment protected by implementing the method as defined in claim 1.

4. A joining piece capable of implementing the method as defined in claim 1.

35 5. A joining piece according to claim 4 characterized in that it has been protected beforehand by aluminization.